

KLJBOUCEK, J.

"Academician Josef Rysavy Completes his Seventieth Year", P. 37.
(KARTOGRAFICKY PŘEHLED, Vol.(1. s. 8), No. 1, Mar. 1954, Praha,
Czechoslovakia)

SO: Monthly List of East European Accessions, (KRAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

KLOBOUCEK, J.

Czechoslovakia

Photogrammetrie und die Vermessungsfakultät (tscheck.) S. 34-36

80: Vermessungs Technik, Nov 1955, Uncl.

KLOBOUCEK, J.

Czechoslovakia

Fernstudium an der Fakultät fuer Vermessungsingenieure (tschech.) S. 58-60

80: Vermessungs Technik, Nov 1955, Uncl.

KLOBOUCEK, J.

Present state of photogrammetry in Czechoslovakia and trends in its further
economic development.

p. 204 (GEODETICKY A KARTOGRAFICKY OZOR) Vol. 2, no. 6, June 1956,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

S/035/62/000/003/028/053
A001/A101

AUTHORS: Klobouček, J.. Malivánek, R.

TITLE: Once more on the control of relief plotted on 1:10,000 maps by the stereophotogrammetric method

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 3, 1962, 15, abstract 30125 ("Geod. a kartogr. obzor". 1961, v. 7/49, no. 7, 133, Czech)

TEXT: These are comments on the V. Pichlik paper (see RZhAstr. 1961, 80160).
1. Klobouček objects the method of relief control proposed by Pichlik and asserts that stereoplotting of a relief performed on universal instruments cannot be controlled by means of a stereometer. 2. R. Malivánek does not agree with Klobouček and points out that the latter poorly understood the essence of the proposal which consists in the following: Stereometers can be used to determine errors exceeding the limits of established tolerances, but not to estimate the accuracy of stereoplotting of reliefs performed on universal instruments. He points out that Klobouček overlooked preliminary control of stereopairs which

Card 1/2

Once more on the control of relief ...

S/035/62/000/003/028/r53
A001/A101

takes place in practice, as well as the extended experience of other countries
employing stereometers.

F. Sharkozi

[Abstracter's note: Complete translation]

Card 2/2

KLOBOUCEK, J.

"Photogrammetry" by A. Buchholts. Reviewed by J. Kloboucek.
Geog kart obzor 2 no.2:39-40 P '56.

KLOBOUCHNIK, Yan [Kloboučník, Jan]; ARKAD'YEV, P. [translator]

Granite and Striped Cardinals. IUn.nat. no.5:31-32
My '59. (MIRA 12:6)
(Kadov, Czechoslovakia--Fruit trees)

KLOBOUČNIK, R.

Significance of the trade-mark Skoda of the V.I. Lenin Works on world markets.
p.2.

OCHRANNE ZNAMKY, CHRANENE VZORY. (Urad pro patenty a vynalezky) Praha,
Czechoslovakia, Vol. 1, no. 1, July 1959

Monthly List of East European Accessions (EEAI), LC. VOL. 9, no. 2,
Feb. 1960

Uncl.

KLOPOUK, B.

Electric fly-ash separators used at the heat and power plant of the Klement
Gottwald New Metallurgical Plant in Ostrava-Kuncice. p. 497.

ENERGETIKA. Praha, Czechoslovakia. Vol. 9. no. 10. Oct. 1959

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2 Feb. 1960
Uncl.

KLOBUKOV, L.Ya., elektromekhanik sredstv pochtovoy mekhanizatsii

Servicing of postcard vending machines. Vest. svyazi 24 no.12:
23 D '64 (MIRA 18:2)

1. Tuapsinskiy rayonnyy uzal svyazi.

VRZAL, V.; KLOBOUKOVA, E.

Our experiences with Phenmetrazine in pedopsychiatric practice. Aktiv. nerv. sup. 4 no.2:234 '62.

1. Psychiatricka ambulance detske nemocnice, Brno-Cerna Pole.

(PHENMETRAZINE ther)
(MENTAL DISORDERS in inf & child)

KLOBUCAR, V., dr; MIKLOUSIC, T., dr

Lymphosarcoma generalisatum in acute febrile conditions. Med.glasn.
14 no.9:442-443 S '60.

1. Zarasni odjel Opce bolnice u Karlovcu (Sef odjela: dr. V.Klobucar)
(LYMPHOSARCOMA case reports)

KLOBUKOV, N.M. (Moskva)

Preventing injuries occurring in soccer. Fel'd. i skush. 21 no.9:
12-14 s '56. (MIRA 9:10)

(SPORTS--ACCIDENTS AND INJURIES)
(SOCCER)

KLOBUKOV, L.Ya., elektromekhanik

Better use of postal equipment in telecommunication enterprises.
Vest. svyazi 23 no.9:19-20 3 '63. (MIRA 16:10)

1. Tuapsinskiy usel svyazi Krasnodarskogo kraya.

(20)

Elementy sistem avtomaticheskogo regulirovaniya. 48. 31
 Chuvstvitel'nye ustroystva i signalizatsionnyye elementy
 (Elements of Automatic Control Systems. pt. 1) Sensing,
 Amplifying and Control Elements) Moscow, Naukaiz, 1979. 722 p.
 (Soviet Union avtomaticheskogo regulirovaniya, t 2) Errata
 nie ispravleno. 13,000 copies printed.

[illegible]

PERSONNEL. This book is intended for engineering and scientific personnel and for instructors of those concerned with problems of automatic control.

comments. The authors explain the principle of operation of automatic control systems and explain the principle of operation of typical automatic control elements and present equations of motion and static and dynamic characteristics of automatic elements. They describe scaling elements, amplifiers, control elements and transducers. The book contains Sections I, II, and III of Part 3, Volume II, "Principles of Automatic Control." The following persons participated in writing the present work: Dr. A. A. Brodskiy, Candidate of Technical Sciences, paragraph 6 of Chapter XIII and paragraphs 1-5 and 10 of Chapter IV; Dr. L. I. Gal'perin, Doctor of Technical Sciences, paragraphs 1, 2, 3 and 7 of Chapter 1; Dr. I. I. Gurevich, Candidate of Technical Sciences, paragraph 3 of Chapter VIII; Dr. E. Ye. Dzhurikova, Candidate of Technical Sciences, paragraphs 1 and 2 of Chapter XIII; Dr. Ye. A. Kuznetsov, Doctor of Technical Sciences, paragraphs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790,

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12.10.2019

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VRZAL, V.; KLOBOUKOVA, E.

Analysis of behavioral defects in 2 girls in a children's home. Cesk. pediat. 20 no.8:705-710 Ag '65.

1. Psychiatrické oddelení fakultní dětské nemocnice v Brně (vedoucí MUDr. V. Vrzal).

MACKU, Milos; CERNY, Jan; KLOBOUKOVA, Kliska

Catamnestic examination of children following parotitis meningoencephalitis. Cesk. pediat. 17 no.1:52-57 Ja '62.

1. Infekčni oddelení Krajské detské nemocnice v Brně, přednosta doc. dr. Vl. Kluska Psychiatrická ambulance Krajské detské nemocnice v Brně, přednosta dr. Jan Cerny.

(MUMPS compl)

(MENINGOENCEPHALITIS in inf & child)

KLOBUKOVA-ALISOVA, E.N.

KOMAROV, VLADIMIR LYONT'VICH and E.N. KLOBUKOVA-ALISOVA. Opredeletel' rastenii
Dal' nevostochnogo kraia. Leningrad, 1931-32. 2 v.

SO: LC, Soviet Geography, part I, 1951. Incl.

KLOBUKOVA-Alisova, E. N.

KOMAROV, V. L. and E. N. KLOBUKOV/-Alisova. Opređelitel' rastenii Dal'ne-Vostochnogo Kra'a Leningrad, 1931-1932. v. 1-2.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

KLOBUKOVA-ALISOVA, YE. N.

PA 59/49T87

USSR/Medicine -. Vitamin C
Medicine - Plants

Mr 49

"Vitamin C in the Plant Life of Bashkir ASSR (ufa Rayon)," B.S. Gologorskiy, Y E. N.
Klobukova-Alisova, M.V. Gol'dshteyn, Ufa Inst of Epidemiol and Microbiol imeni Mechnikov,
Bashkir Bot Gardens, 4 pp

"Gig 1 San No 3, p. 30-3, 1949

Reports on research conducted in 1944-1945 on 392 varieties of plants. Tests were made on edible parts and on those used in pharmacology. Vitamin C content was determined by iodine test. Tables show test results. Flora of Bashkir ASSR is considered to have large reserve of Vitamin C (highest content in Rosa canina and cinnamon). Another rich source of Vitamin C is berries, especially black currants. Research data also confirmed the influence of geographical factors on Vitamin C content in plants.

PA 59/49T87

KLOBUKOVA-ALISOVA, Yevgeniya Nikolaevna.; IL'IN, N.M., prof., otv. red.;
SHARAPOV, N.I., red. izdava.; ZEMDEL', M.Ye., tekhn. red.

[Useful and harmful wild plants in Bashkiria] Dikorastushchie
poлезnye i vrednye rasteniia Bashkiri. Moskva, Izd-vo Akad. nauk
SSSR. Vol. 1. 1958. 218 p. (MIRA 11:12)
(Bashkiria--Botany, Economic)

KLOBUKOVA-ALISOVA, Yevgeniya Nikolayevna; SHARAPOV, N.I., otv.red.;
VIKHREV, S.D., red.isd-va; BOCHNER, V.T., tekhn.red.

[Useful and harmful plants growing wild in Bashkiria] Diko-
rastushchie polesnye i vrednye rasteniya Bashkirii. Moskva,
Isd-vo Akad.nauk SSSR, 1960. Vol.2. 1960. 246 p.
(Bashkiria--Botany, Economic)

(MIRA 13:9)

BRODKA, Jan, mgr ins.; KLOBUKOWSKI, Jan, mgr ins.

Prestressed steel constructions; scope and application

APPROVED FOR RELEASE 06/19/2000 CIA-RDP86-00513R000723210005-1"

1. Biuro Studiow i Projektow Konstrukcji Stalowych, "Mostolstal,"
Warszawa.

L 33498-66

SOURCE CODE: CZ/0049/65/000/011/0804/0808

ACC NR: AP6023500

AUTHOR: Munzverova, Gertruda--Munderova, G. (Doctor; Candidate of sciences; Bratislava); Klobusicka, Margita--Klobushitska, M. (Graduate Biologist; Bratislava)

ORG: Department of Experimental Cytology, Institute of Normal and Pathological Physiology, SAV, Bratislava (Oddelenie experimentalnej cytologie Ustavu normalnej a patologickej fyziologie Slovenskej akademie vied)

TITLE: Histological observations of gliomacrophages grown in vitro

SOURCE: Biologia, no. 11, 1965, 804-808

TOPIC TAGS: histology, enzyme, microbiology, cytoplasm, animal, nervous system

ABSTRACT: Gliomacrophages grown in vitro contain in their cytoplasm various amounts of neutral fats. In between the droplets of fat the cytoplasm is strongly PAS-positive. Among the enzymes acid phosphatase, non-specific esterase, and succinate dehydrogenase were found. Alkaline phosphatase was not found. The macrophages originated in the brain and spleen of chicken embryo and no difference in their behavior due to the different origin of the material was found. Increasing length of cultivation increased the amount of fat and the activity of the enzymes. Orig. art. has: 7 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 01Jun65 / ORIG REF: 012 / OTH REF: 002

Card 1/1 80

0915

14607

ACC NR: 32997-66 T JK
AP6024088

SOURCE CODE: CZ/0082/66/000/001/0042/0047

AUTHOR: Kolar, O.; Behounkova, L.; Klobusicka, M.; Kotrla, M.

ORG: Neurological Clinic/headed by Professor, Doctor J. Hrbek, Doctor of sciences/, Medical Faculty, PU, Olomouc (Neurologicka klinika lekárske fakulty PU); Microbiological Institute/headed by Docent, Doctor E. Marsalek/, Medical Faculty, PU, Olomouc (Mikrobiologický ústav lekárske fakulty PU); Department of Experimental Cytology, SAV/headed by Academician I. Stanek/, Bratislava (Oddelení experimentální cytologie SAV); Histological and Embryological Institute, Medical Faculty, PU/headed by Docent, Doctor M. Obrucnik, Candidate of sciences/, Olomouc (Histologický a embryologický ústav lekárske fakulty PU); [Kolar] Faculty Hospital, Olomouc (Fakultní nemocnice)

TITLE: Problem of immunological reactions connected with mononuclear cells in the cerebrospinal fluid in the course of subacute encephalitis Dawson-Pette-Doring-van Bogaert [This paper was presented at the 8th Pediatric Neurology Days held in Stary Smokovec in 1964, as well as at the Biological Days held in Prague in 1964.]

SOURCE: Ceskoslovenska neurologie, no. 1, 1966, 42-47

TOPIC TAGS: immunology, central nervous system, encephalitis, experiment animal, antigen, cell physiology, neurology

ABSTRACT: An attempt was made to transfer late hypersensitivity from 12 patients to guinea pigs. The antigen used was an extract from the brain tissue of a deceased patient who suffered from subacute Dawson-Pette-Dorig-van Bogaert encephalitis. A positive reaction to cerebrospinal fluid of patients was found in 50% of the guinea-pigs. Late

Card 1/2

L 32997-66

ACC NR: AF6024088

hypersensitivity was transferred only in 1 of 22 cases. Experiments with tissue cultures from fetal brain indicated that in addition to mononuclear cells originating from blood elements and leptomeningeal structures, elements originating in brain or spinal cord tissue should be expected in the cerebrospinal pathways in subacute cases of the discussed encephalitis. Immunological function of fluid mononuclear cells in transferring late hypersensitivity by the cerebrospinal fluid are discussed. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: 20Jul64 / ORIG REF: 008 / SOV REF: 002
OTH REF: 010

Card 2/2 20

HUNOYEHOVA, Gertruda; KLOBUSICKA, Margita

Histochemical observations of glial macrophages cultivated
in vitro. Biologia (Bratisl.) 20 no.11:804-809 '65.

1. Oddelenie experimentálnej cytologie Ústavu normálnej a
patologickej fyziologie Slovenskej akadémie vied v Bratislave.

KLOBUSITZKY, D.V.

Coagulating effect of hemostatic preparations with snake venom. D. V. Klobusitzky. Dokl. Akad. Nauk SSSR, 1979, 244(1981): 814-816. (English translation in: Coagulation on a preprint, for which the data are given, as to coagulation fluid, etc. It is concluded that coagulating agents, with a loss of snake venom must, in order to have a therapeutic effect, contain for an adult dose enough coagulating substance to coagulate completely 5 cc. of snake or horse blood in 10 min.; that the full coagulating effect appears after 3-7 min. when the prep. is injected intravenously, and in 1-2 min. after intramuscular injection; that the dose and the time has no effect on the coagulation time; that the prep. has a coagulating effect in normal after 10 min. and the duration of the coagulating effect is independent of the method of administration of the prep.

Klabusitzky, D. V.

Neutralization of the blood-coagulating enzyme in snake
venom by heparin. D. V. Klabusitzky (Univ. São Paulo,
Brazil). *Atenas-Seminários* Arch. exp. Pathol.
Pharmacol. 217, 193-8 (1955). --Heparin neutralizes the
blood-coagulating enzyme contained in A. N. Meyer
Bathurst snake.

(32)

Progn. Helium International, Vol. 10, No. 3, April 1964.

10/10/64

9. "The importance of the Helium artificial satellite in the space of the Helium satellite in 1959 and 1960," Helium International, Vol. 10, No. 3, April 1964, pp. 1-10.
10. "The importance of the Helium artificial satellite in the space of the Helium satellite in 1959 and 1960," Helium International, Vol. 10, No. 3, April 1964, pp. 1-10.
11. "The importance of the Helium artificial satellite in the space of the Helium satellite in 1959 and 1960," Helium International, Vol. 10, No. 3, April 1964, pp. 1-10.
12. "The importance of the Helium artificial satellite in the space of the Helium satellite in 1959 and 1960," Helium International, Vol. 10, No. 3, April 1964, pp. 1-10.
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14. "The importance of the Helium artificial satellite in the space of the Helium satellite in 1959 and 1960," Helium International, Vol. 10, No. 3, April 1964, pp. 1-10.
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16. "The importance of the Helium artificial satellite in the space of the Helium satellite in 1959 and 1960," Helium International, Vol. 10, No. 3, April 1964, pp. 1-10.

L 35944-66 EWT(m)/SWP(t)/ETI IJP(e) JD
ACC NR: AP6027384

SOURCE CODE: CZ/0034/65/000/009/0680/0680

INVENTOR: Petlicka, J. (Engineer); Bastecky, V.; Hadacek, B. (Engineer);
Jelinkova, V. (Doctor of natural sciences); Kloc, F.; Vesely, V.
ORG: none

31

B

TITLE: Process for treating manganese or ferro-manganese raw materials under simultaneous regeneration of sulfuric acid. Class 40a, No PV 1562-64

SOURCE: Hutnicke listy, no. 9, 1965, 680

TOPIC TAGS: manganese, ferromanganese, sulfuric acid, metallurgic process, chemical decomposition, calcination

ABSTRACT: The article is an abstract of Czechoslovak Patent Application Class 40a, 47/00, PV 1562-64, dated 18 March 64. The raw materials treated may be ores, concentrates, sludges, slags, or byproducts. The process is of a hydrometallurgical character; manganese or both manganese and iron are dissolved as sulfates, and these sulfates are treated according to the invention in such a manner that higher oxides of the respective metals are obtained under conditions of a simultaneous regeneration of the sulfuric acid. The sulfate is subjected to an attack by hydrochloric acid, or gaseous hydrogen chloride, or both of these at the same time; sulfuric acid is expelled, and the resulting chlorides of metals are precipitated as solids from the concentrated solution. The chlorides are decomposed by calcination and the regenerated HCl is returned to the process. [JPRS]

SUB CODE: 11, 16 / SUBM DATE: none
Card 1/1

L 62733-65 EWP(t)/EWP(b) JD
ACCESSION NR: AP5021467

(1/0034/64/000/011/0034/0034)

AUTHOR: Hadacek, B. (Engineer); Petlicka, J. (Engineer); Bastecky, V.; Kloc, K. B
Strubl, R. (Doctor of natural sciences)

TITLE: Method of removing metals, forming products subject to hydrolysis from solutions

SOURCE: Hutnické listy, no. 11, 1964, 834

TOPIC TAGS: metal extracting, hydrolysis, acid catalysis

Abstract: The article describes Czechoslovak Patent Application Class 1,04, 3/00, PV 5726-63, dated 18 Oct 1963. The invention covers a method used in hydrometallurgical processes where the ores are first leached with acid, the solution heated and oxidized under pressure, and precipitated products are separated. The invention covers a process whereby the solution is mixed under pressure with such an amount of the untreated ore that all the acid components of the solution can combine with the metal contained in the untreated ore.

Card 1/2

L 62733-65

ACCESSION NR: AP3021467

ASSOCIATION: none

SUBMITTED: 18Oct63

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: NM

JPRS

jk
Card 2/2

I. 3759-66 ENT(m)/ENP(t)/ENP(b) IJP(a) JD

ACC NR: AP5027867

CZ/0034/65/000/001/0072/0072

AUTHOR: Petlicka, J. (Engineer); Bastacky, V.; Kloc, K.; Riha, V.; Vesely, V.;
Hadacek, B. (Engineer); Jelinkova, V. (Doctor of natural science); Struhl, R. (Doctor
of natural science)

TITLE: Method of treating manganese ores to obtain higher oxides of Mn

SOURCE: Hutnicke listy, no. 1, 1965, 72

TOPIC TAGS: metal melting, manganese, manganese compound, sulfuric acid

ABSTRACT: Article is an abstract of Czechoslovak Patent Applica-
tion Class 40a, 47/00, PV 421-64, dated 24 Jan 64. Solid sulfates,
preferably the monohydrate are exposed at 900°C to a mixture of
steam and nitric acid vapors. In the reactor Mn is oxidized, and
sulfuric acid regenerated. Reaction space vapors are cooled to
recover sulfuric acid as a condensate, while nitric oxides are
recovered in the usual manner. The advantage of the process is
that Mn is recovered as solid oxide suitable for metallurgical
uses, and sulfuric and nitric acids are regenerated.

ASSOCIATION: none

SUBMITTED: 24 Jan 64

ENCL: 00

SUB CODE: MM

NR REF SOV: 000

OTHER: 000

JPRS

Card 1/1

L 18510-66 EWP(1) WJP(a) 30

ACC NO: AP6010257

SOURCE CODE: CZ/0034/65/000/003/0019/0019

AUTHOR: Hadacek, B. (Engineer); Strubl, R. (Doctor of natural sciences); Riba, V.;
Klco, K.; Vesely, V.; Bastecky, V.; Petlicka, J. (Engineer)

ORG: none

TITLE: Method for treating phosphorus containing ferromanganese ores

SOURCE: Hutnicke listy, no. 3, 1965, 219

TOPIC TAGS: sulfuric acid, phosphorus, ferromanganese, oxidation

ABSTRACT: The article is an abstract of Czechoslovak patent application Class 18a 1/04 PV 6186, dated 9 Nov. 1963. The ore is repeatedly leached by sulfuric acid; the solution obtained has a pH of 1 - 3, and the reaction mixture is heated to 60 - 100°C, and at the same time oxidized by hydrogen peroxide; the oxidation is continued until the bulk of phosphorus is eliminated, when a new amount of ore is added, corresponding to the remaining P content in the ore. The content of Fe can be adjusted by addition of iron ore. The iron content in the filtrate may be adjusted by an oxidizing agent, such as a peroxide of manganese or hydrogen. [JPRS]

SUB CODE: 07, 11 / SUBM DATE: none

Card 1/10

34
B

KLEC, S. *Slavica Medica* Sec. 10 Vol. 11/7 Obstetrics and
Gynecology July 58

1208. FURTHER EXPERIENCES WITH HORÁLEK'S CROSSED COLPOCLERESIS
IN PROLAPSE OF OLD WOMEN - Další zkušenosti se zkříženou kolpokle-
sací podle Horálky u prolapsu starých žen - KLEC S. II. Por. - Gyn. Klin.,
Brno - ČSL. GYNAEK. 1957, 6 (423-430) ilus. 2

The advantage of this operation is the formation of a longitudinal septum in the
distal part of the vagina which supports the urethra, so that the urinary incontinen-
ce, which causes more troubles than the prolapse, is removed. The method of
operation: from the mucous membrane of the anterior and posterior vaginal wall
a part in the form of a spindle is removed and the neighbouring margins united.
The other margins are brought together longitudinally so that a longitudinally situ-
ated scar arises in contrast to the transverse one in the Neugebauer-Lefort opera-
tion. High plastic reconstruction of the perineum is always added. In 68 women, 4
of whom were 80 yr. old, a 100% result was achieved.

Vesely - Prague

KLOCZEK, Andrzej

Pulse generators. Zasady radiolokacji 3:5-142 '61.

KLOCIK, P.

In the face of a difficult winter period 1959/60. p. 845.

WOLNY POLNICTWO. (Instytut Wydawniczy Polnische i Lerno) Warszawa, Poland.
Vol. 9, no. 29, Dec. 1959.

Monthly list of West European Accessions (EAI) 10, Vol. 9, no. 2, Feb. 1960

Encl.

POLAND

KLOCEK, Franciszek, Magister Inzynier [Affiliation not given]

"Production Situation in Cattle- and Pig Breeding at the Turn of 1962-1963."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 7, Jul 63, pp 405-407

Abstract: The poor harvest in Poland this year (also in other European countries) brought about a shortage and increased prices of fodder. The author analyzes the mid-year available data for sales of cattle and skins, selection, livestock inventory, etc. figures, compares them with the corresponding figures for the prior year and arrives at the conclusion that, although increased slaughter and sales of cattle need not necessarily mean declined inventories by the end of the fiscal year in cattle, they seem to indicate that the fodder shortages will affect inventories of pigs. There are no references.

1/1

16

KLOCEK, Franciszek, mgr inż.; BAL, Stanisław, mgr inż.; JUSZKIEWICZ, Zdzisław, mgr inż.; KŁOS, Andrzej, mgr inż.; WISNIEWSKI, Kazimierz, mgr inż.

Measurements of the ship hull pressure on the bow cradle during launching. Bud okretowe Warszawa 9 no.10:346-350 '64

1. Technical University, Gdansk.

KLOCH, Z.

Self-produced building materials for new settlements. p. 10.

LAS POLSKI. (Ministerstwo Leśnictwa oraz Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Leśnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 7, April 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.
Uncl.

KLOCHAN, Dmitriy Fedosayevich; SUBBOTA, Nikolay Nikolayevich;
SUZDAL'TSEV, Vladimir Vladimirovich; MARKOVA, M.M.,
red.

[Balakleya; a regional study] Balakliia; kraieznavchyi na-
rys. Kharkiv, Prapor, 1965. 118 p. (MIRA 18:8)

KLOCHAN, L.

Young people's creative activity. Za rul. 20 no.5:28 My '62.
(MIRA 16:4)

1. Starshiy metodist respublikanskoy stantsii yunykhn tekhnikov,
Kiyev.

(Ukraine--Automobiles--Models)

KLOCHAN, N.Yo., inshener.

Interaisle transfer trolleys having planetary drives. Vest. mash.
37 no.7:30-31 JI '57. (MIRA 10:8)
(Hoisting machinery)

KLOCHANOV, Mikhail Fedorovich

Klochanov, Mikhail Fedorovich Temporary measures for the restoration of ports,
damaged during the war Moskva, Izd-vo Narkomrechflota, 1945.

46 p. (50-22196) TC209.K63

KLOCHANOV, M. F.

25939

Tyeoriya raschyeta prochnosti ryechnykh dyeryevyannykh nyesamokhodnykh sudov such-
yestvuyuchey konstruktsii I osnovnyye ualoviya proyektirovaniya sudov novoi
konstruktsii. Trudy Lyeninyar. in-ta inshyenerov vod. transporta, vyp. 15, 1949,
c. 69-80.

SO: Letopis' No. 34

KLOCHANOV, N. (g. Saran', Karagandinskaya oblast')

Malgashdar Dairov operates the cutter-loader. Mast. ugl. 8 no.8:10-11
Ag '59. (MIRA 12:12)
(Karaganda Basin--Coal mining machinery)

DUL'KIN, I.M.; SHCHITOV, O.K.; KLOCHANOV, P.N., inzh., nauchnyy red.;
ZVORYKINA, L.N., red.isd-va; KASIMOV, D.Ya., tekhn.red.

[Repairing and finishing facades of buildings in winter]
Remont i otdelka fasadov zdaniy v zimnikh usloviyakh. Moskva,
Gos.isd-vo lit-ry po stroit., arkhitekt. i stroit.materialam,
1961. 68 p. (MIRA 15:2)
(Buildings--Repair and reconstruction)

KLOCHANOV, P.N., inzh.; KOBISHCHANOV, V.N., inzh., nauchnyy red.;
TABUNINA, M.A., red. 1zd-va; IGNAT'YEV, V.A., tekhn. red.

[Painting, paper hanging, and glazing] Maliarnye, oboinye i
stekol'nye raboty. 1zd.2., ispr. i dop. Moskva, Gos. 1zd-vo
lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 318 p.
(MIRA 15:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut orga-
nizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(House painting) (Paper hanging) (Glazing)

MEKKEL', Aleksandr Naumovich; KLOCHANOV, P.N., nauchn. red.;
KASHANI, L.A., red.

[Practical laboratory work in the special technology for
industrial painters] Laboratorno-prakticheskie raboty po
spetsial'noi tekhnologii dlia maliarov. Moskva, Vysshaya
shkola, 1964. 90 p. (MIRA 17:10)

KLOCHANOV, Petr Nikolayevich; EYDINOV, Yuriy Solomonovich;

ODINOKOV, S.D., kand. tekhn. nauk, nauchn. red.;

ZVORYKINA, L.N., red.

[Painting, glazing, and facing operations] Maliarnye,
stekol'nye i oblitsovochnye raboty. Moskva, Stroizdat,
1964. 313 p. (MIRA 18:2)

KLOCHUK, P.P.
SHIPMAN, M.I.; KLOCHUK, P.P.

Manufacture of sectional reinforced concrete supports in open air
construction yards. Shakht.stroi. no.3:26-27 Mr '57. (MLRA 10:7)
(Precast concrete construction) (Mine timbering)

KLOCHET, V., VIRYASOV, K.

Commerce

Economic cooperation of countries in the socialist camp, Vnesh. torg, 22, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

KLOCHER, V.

Hungary - Economic Conditions

Upsurge of the Hungarian economy. Vnesh. torg. 23, No. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

KLOCHER, V.

Circulation costs in foreign trade and ways to reduce them.
Vnesh.torg. 30 no.1:31-35 '60. (MIRA 13:2)
(Russia--Commerce)

KLOCHENKO, M.Ye.

Case of bezoar of the stomach. Med. zhur. Uzb. no.10:67-68 '61.
(MIRA 14:10)
1. Iz kafedry rentgenologii i meditsinskoj radiologii (zav. - prof.
S.A.Molchanov) Tashkentskogo gosudarstvennogo meditsinskogo
instituta.
(BEZOAR) (STOMACH-DISEASES)

KLOCHENKO, M.Ye.; MUKHAMEDOV, Ya.Yu.; PIR, T.A.

Two cases of melorheostosis. Med. zhur. Uzb. no.10:68-69 '61.

(MIRA 14:10)

1. Iz kafedry rentgenologii i meditsinskoy radiologii Tashkentского
gosudarstvennogo meditsinskogo instituta.

(OSTEOSCLEROSIS)

KLOCHENKOV, A. I. [deceased]

I. N. Shevchenko's textbook on "Arithmetic". Uch. zap. Chuv. gos. ped.
inst. no. 7130-34 '59. (MIRA 13:9)
(Arithmetic)

VOLKOV, B.G., kand. tekhn. nauk; KLOCHEV, L.A., inzh.

Computing traction dynamometers used in testing mounted
tools. Mekh. i elek. sets. sel'khoz. 16 no.6:45-47 '58.

(MIRA 12:1)

1. Severo-Zapadnoye otdeleniye Vserossiyskogo nauchno-issle-
dovatel'skogo instituta mekhanizatsii i elektrifikatsii sel'-
skogo khozyaystva.

(Dynamometer)

PAYNLEYB, B.N., kand. tekhn. nauk; KLOCHEV, L.A.

Experimental determination of the characteristic of fuel injection. Avt. prom. 29 no.8:7-9 Ag '63. (MIRA 16:11)

1. Tsentral'nyy nauchno-issledovatel'skiy i konstruktorskiy institut toplivnoy apparatury avtotraktornykh i statsionarnykh dvigateley.

L 00898-67 EWT(m)/I WE

ACC NR: AP6014351

(A)

SOURCE CODE: UR/0113/65/000/012/0006/0009

AUTHOR: Pavlov, B. N.; Klovay, L. A.

ORG: T&NTA

55
B

TITLE: Requirements for frequency characteristics of electronic measuring equipment used for studying the fuel supply process in high-speed diesels

SOURCE: Avtomobil'naya promyshlennost', no. 12, 1965, 6-9

TOPIC TAGS: frequency characteristic, oscillograph, engine fuel system, diesel engine, engine fuel pump

ABSTRACT: Consideration is given to the requirements for frequency characteristics of amplifiers and oscillographs used for studying the fuel supply process in diesel engines. Harmonic analysis is used as a basis for determining the necessary frequency spectrum with respect to the rise time of a given cyclic process. It is shown that a reduction in the duration of the fuel supply process increases the requirements for the frequency spectrum at the same rpm for the pump shaft. A frequency spectrum of 3.5-10 kc is necessary for describing the fuel supply process in high-speed tractor diesels with a maximum pump shaft rpm of 700-2000 to give a distortion of less than 2% in amplitude and rise time readings due to the short duration and steep rise time of these processes. A piezoelectric quartz pickup, electrometric amplifier and electronic os-

Cord 1/2

UDC: 621.43.038.681.2

L 00898-67

ACC NR: AP6014351

0
cillograph comprise the best set of equipment for accurate reproduction of fuel supply processes. The working frequency range for a circuit of this type is 7-10 kc which coincides satisfactorily with the required frequency spectrum. Strain gage amplifiers used for studying fuel supply processes should have a carrier frequency above 35 kc. They should also be equipped with filters for operation with electronic oscillographs. When loop oscillographs are used for recording, distortions may be observed in the representation of the steep fronts of the fuel supply processes even with high-frequency loops (1500-3000 kc). Orig. art. has: 6 figures, 2 formulas.

SUB CODE: 09, 21/ SUBM DATE: none/ ORIG REF: 006

AW M

Card 2/2

FAYNLEYB, B.N.; KLOCHEV, L.A.

Strain gauge pickup for measuring pressures in fuel forcing
conduits of diesel engines. Izv.tekh. no.11:19-20 N '63.
(MIRA 16:12)

Card 1/2

Journal of Physical Chemistry

Vol XXII, Nr 1, 1957

21
THERMODYNAMIC CALCULATIONS OF THE BURSTING PROCESS
OF HYDROGEN-OXYGEN MIXTURES 6

A. Kitchikina and L. B. Maslov (Moscow)
Summary 1-4E3d
1-4E4f

Cipr
In the report a method is proposed for calculating the bursting process of hydrogen-oxygen mixtures containing excess hydrogen and, moreover, possibly excess inert gases. In comparison with the existing methods this one is considerably simpler. At low temperatures the reaction products contain water vapor, H_2 , and O_2 . At sufficiently high temperatures these components partially dissociate. It is assumed that the equations for the dissociation are



the degree of conversion being expressed in x , y , z and t . The latter as shown in the report are easily determined from the equations

$$y_0 = \frac{aK_1}{(a_1 - 2x_0)^2 + aK_1} \quad (2)$$

$$x = \frac{[(10^{-4}K_1)(2x_0 + b)0.8y_0 + (a_1 - 2x_0) + a^2K_1]x_0}{...}$$

On 12/24

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$$= \frac{1}{n} [x_1^2 + x_2^2 + \dots + x_n^2] = \frac{1}{n} [1^2 + 2^2 + \dots + n^2]$$

$$y = aK_1 / \{ (0.5(2a_1 + a_2))x_1 + (a_1 - 2a_2)(1 - x_1)^{2.0} + aK_2 \} \quad (13)$$

$$L = \frac{1}{2} \left[(2a_1 + a_2)(1 - \gamma) + (2a_1 + a_2)0.5 + (a_1 - 2a_2)(1 - \alpha) \right]$$

$$I = (-[a^2 K_1 (2\alpha_1 + \alpha_2) L^{2\alpha_1} + a^2 K_2]) / (a^2 K_1 - (2\alpha_1 + \alpha_2) L) \geq 0$$

$$n^2 = L/(1 - \epsilon) \quad (7)$$

In the equations (3) in (7) a_1, a_2, a_3 are the numbers of moles of H_2 , O_2 and H_2O in the initial mixture; K_1, K_2, K_3, K_4 and K_5 are the equilibrium constants corresponding to equations (1), (2), (3) and (4), respectively, in the unit $\frac{RT}{P_0}$ where T and P are the temperature and unknown temperature, P_0 is the initial and final explosion pressure; Γ and L are the heat of formation and the heat of combustion, and α is the degree of conversion of x, p, z and t and consequently the composition of the mixture. The compositions are obtained from the equations (2)–(7), the composition being included as a variable in the well known equation for the energy balance. After the solution of the combustion equation the pressure p or volume V is found. The applicability of the method is illustrated by example. It has been noted that the explosion temperature depends practically linearly upon the humidity of the mixture.

7/28/88

AUTHORS: Maslov, P. G., Klochikhin, A. A.

79-28.1-18/61

TITLE: Molecular Refractions of Some Classes of Alkylthiophenes and Alkylthiacycloalkanes (Molekulyarnyye refraktsii nekotozrykh klassov alkiltiofenov i alkiltia:sikloalkanov)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr3. pp. 835-838 (USSR)

ABSTRACT: In connection with earlier works the present work proposes uniform formulae hitherto unknown for the determination of the molecular refractions (R) of alkylthiophenes, alkylthiacyclopropanes, alkylthiacyclopentanes and alkylthiacyclohexanes. As is known in homologous series of organic compounds ending with a cycle (cyclopentanone etc.) the additivity of many properties in the methylene groups CH_2 , starting already from the second representative of this series, is practically well accomplished. This can without difficulty also be found with molecular refraction. The computation of the molecular refractions of the two low alkylthiophenes according to the molecular refraction of the 2-propylthiophene (equal to 38,64 at 20°C) is mentioned as example (reference 1). With con-

Card 1/2

Molecular Refractions of Some Classes of Alkylthiophenes and Alkylthiacycloalkanes 79-28 3-58/61

sequent subtraction of that part of the molecular refraction pertaining to a CH_2 group the following figures are obtained: for the 2-ethylthiophene 34,005, for the 2-methylthiophene 29,37, for thiophene 24,735. The obtained values differ from the experimental data of the molecular refractions of these compounds by 0,095, 0,08 and 0,37, or by 0,3, 0,25 and 1,5% respectively. From the conclusions drawn from this it is possible to set up general rules for the determination of R of every other representative of the respective compound series according to the values for the molecular refraction given in reference 1 for the third and in particular for the fourth member of the homologous series of the sulfurorganic compounds. The mentioned molecular refractions of some 2-alkyl- and 3-alkylthiophenes as well as the two tables serve as general survey. There are 2 tables and 8 references, 7 of which are Soviet.

ASSOCIATION:

Leningradskiy voyenno-mekhanicheskii institut
(Leningrad Military Mechanical Institute)
July 10, 1956

SUBMITTED:

Card 2/2

S/181/60/002/011/036/042
B006/B060

AUTHORS: Stekhanov, A. I. and Klovchikha, A. A.

TITLE: The Structure of the Vibrational Spectrum of the Hydrogen Bond in Some Crystals

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 11, pp. 2932-2937

TEXT: The authors studied the Raman spectrum and the infrared absorption spectrum of $\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$ crystals in order to clarify certain characteristics of the vibrational spectrum of the hydrogen bond and to determine the doublet splitting of the OH vibrational band for the symmetric hydrogen bridge. The Raman spectrum of light was excited in crystals by the 2537 Å resonance line of mercury and was examined on a quartz spectroscopy of the type Q-24 with 10 Å/mm dispersion in the region of OH vibrations. The spectra of infrared absorption were examined with an MKC-12 (IKS-12) infrared spectrometer with fluorite prism. The samples were suspensions of powders of the test crystals in oil. Fig. 1 shows a microphotogram of the Raman spectrum at 77°K and of the infrared absorption spectrum of this

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The Structure of the Vibrational Spectrum
of the Hydrogen Bond in Some Crystals

S/181/60/002/011/036/042
B006/B060

crystal (the latter taken with the help of Ye. A. Popova). The Raman spectrum shows five lines in the region of OH vibrations: 3263, 3322, 3396, 3453, and 3559 cm^{-1} . The infrared spectrum exhibits absorption maxima at these frequencies. The first four lines form doublets, while the last (narrow) line is isolated and points to the OH groups in the crystal, which exhibit a weak hydrogen bond. The two doublets are related to the stretching vibrations of the OH groups which are strongly disturbed by the hydrogen bond. The study was extended to the splitting of the energy levels in a double symmetrical potential well by making use of a quasi-classical method and a potential function suggested by N. D. Sokolov. The numerical calculation results are tabulated. Calculations included the magnitudes of splitting of the zeroth (ΔE_0), the first (ΔE_1), and the second (ΔE_2) vibrational level for symmetrical hydrogen bridges of three different lengths. The experimental values found for the splittings were 15 cm^{-1} , 105 cm^{-1} , and 215 cm^{-1} , respectively. An agreement in magnitude, however, was all there was to be expected for this approximate calculation (approximation of the potential course by a curve with two minima). The

Card 2/3

The Structure of the Vibrational Spectrum
of the Hydrogen Bond in Some Crystals

S/181/60/002/011/036/042
B006/B060

results are finally discussed. Professor N. D. Sokolov is thanked for discussions. There are 3 figures, 1 table, and 7 Soviet references.

ASSOCIATION: Fiziko-tekhnicheskii institut AN SSSR Leningrad (Institute of Physics and Technology of the AS USSR, Leningrad)

SUBMITTED: July 23, 1960

| $\lambda, \text{\AA}$ | $\lambda_{OH}, \text{\AA}$ | $\lambda, \text{\AA}$ | $\lambda_{\nu}, \text{cm}^{-1}$ | $\lambda_{\nu}, \text{cm}^{-1}$ | $\lambda_{\nu}, \text{cm}^{-1}$ | $\lambda_{\nu}, \text{cm}^{-1}$ |
|-----------------------|----------------------------|-----------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 2.82 | 1.02 | 0.8 | 32.90 | 1.3 | 36 | 302 |
| 2.72 | 1.02 | 0.7 | 27.12 | 10.5 | 198 | 830 |
| 2.56 | 1.10 | 0.56 | 10.70 | 320 | — | — |

Card 3/3

STEKHANOV, A.I.; KLOCHIKHIN, A.A.

On the appearance of a short hydrogen bond in crystal spectra. Vest.
LOU 15 no.16:145-148 '60. (MIRA 13:8)

(Hydrogen bonding)

(Crystals—Spectra)

15.8170
5.4200

37769

S/661/61/000/006/059/081
D267/D02

AUTHORS: Maslov, P. O. and Klochikhin, A. A.

TITLE: Thermodynamic properties of fluorochlorosilanes SiFCl_3 , SiF_2Cl_2 , SiF_3Cl

SOURCE: Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii, no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len. 1958. Leningrad, Izd-vo, AN SSSR, 1961, 259-265

TEXT: In view of the growing interest in the physico-chemical (especially the thermodynamic) properties of silane derivatives which cannot be easily determined, various additive and additive-statistical methods appear to be useful. The authors recommend for this purpose a new additive-statistical method developed by one of them (Ref. 9: ZhFKh, 32, 1715, (1958)); (Ref. 10: Optika i spektr., 3, 38, (1957)) and characterized by very simple formulas associated

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Thermodynamic properties of ...

S/661/61/000/006/059/081
D267/D,02

and J. S. Peake, J. Chem. Phys., 23, 1344, (1955); M. J. Hawkins
and W. M. Kent, J. Chem. Phys., 24, 385, (1956).

ASSOCIATION: Leningradskiy mekhanicheskii institut (Leningrad In-
stitute of Mechanics)

Card 3/3

X

GUREVICH, L. E.; IPATOVA, I. P.; KLOCHIKHIN, A. A.

"Raman scattering and impurity absorption by the lattice of homopolar crystals."

report submitted for Intl conf on Physics of Semiconductors, Paris, 19-24
Jul 64.

IPATOVA, I.P.; KLOCHIKHIN, A.A.

One-phonon impurity absorption by the lattice of a homeopolar crystal with a diamond structure. Fiz. tver. tela 6 no.9:2667-2672 S '64.
(MIRA 17:11)

1. Fiziko-tehnicheskii institut imeni A.F. Ioffe AN SSSR, Leningrad.

L 12647-65 RWT(1)/ERO(b)-2/T LJP(o)

ACCESSION NR: AP4044937

8/0181/64/006/009/2667/2672

AUTHORS: Ipatova, I. P.; Kiochikhin, A. A.

TITLE: Single-phonon impurity absorption by the lattice of a homo-
polar crystal with diamond structure ² B

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2667-2672

TOPIC TAGS: phonon, impurity absorption, crystal lattice structure,
homopolar crystal, diamond, electron phonon interaction, light ab-
sorption, Green function, optical dispersion

ABSTRACT: Inasmuch as the radius of shallow impurities in diamond
it is of the order of the lattice constant, so that the adiabatic
parameter is not small enough, the authors investigated single-phonon
absorption associated with shallow impurities in a non-adiabatic
approximation, regarding the electron-phonon interaction as the small
perturbation. A theory is constructed for the impurity single-phonon

Cord 1/3

L 12647-65

ACCESSION NR: AP4044937

absorption of light by the lattice of a homopolar crystal with diamond structure, using temperature Green's functions. The calculations are based on the method of A. A. Abrikosov, L. P. Gor'kov, and I. Ye. Dzyaloshinskiy (Methody kvantovoy teorii polya v statisticheskoy fizike [Methods of Quantum Field Theory in Statistical Physics], Fizmatgiz, 1962). It is shown that when the dispersion of the optical branches of the crystal phonon spectrum is small, the absorption is resonant and depends on the temperature at temperatures below the Debye temperature. It is shown, using a simple model of the isotropic vibrational spectrum of the lattice, that the attenuation of a "transverse" phonon can lead to a temperature dependence of the absorption below the Debye temperature, if the structure of the phonon spectrum is such that the attenuation is determined by decay into an optical phonon (of the "longitudinal" branch) and a long-wave acoustical phonon. The temperature dependence of the absorption is shown to be connected with the phonon damping due to third-order anharmonicity. The effective characteristic temperature is de-

Cord

2/3

L 12647-65

ACCESSION NR: AP4044937

3

terminated by the dispersion of the optical branches. "The authors thank O. V. Konstantinov and G. M. Eliashberg for a useful discussion." Orig. art. has: 1 figure and 17 formulas.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. P. Ioffe AN SSSR
(Physicotechnical Institute AN SSSR)

SUBMITTED: 31Mar64

ENCL: 00

SUB CODE: 88, OP

NR REF JOV: 003

OTHER: 008

Card 3/3

L 1110-66 EWT(m) DIAAP

ACC NR: AP6000864

SOURCE CODE: ur/0181/65/007/012/3617/3626

AUTHORS: Klochikhin, A. A.; Korenblit, I. Ya.

56
52

ORG: Physicotechnical Institute im. A. F. Ioffe AN SSSR, Leningrad
(Fiziko-tekhnichekiy institut AN SSSR)

TITLE: Peculiarities in the scattering of neutrons by ferromagnets
in the region of ferroacoustic resonance

SOURCE: Fizika tverdogo tela, v. 7, no. 12, 1965, 3617-3626

TOPIC TAGS: scattering cross section, ferromagnetic material,
neutron scattering, inelastic scattering, neutron polarization,
phonon, interaction, nuclear resonance, magnetostriction

ABSTRACT: The authors studied the singularities in the cross section
for inelastic scattering of slow neutrons (polarized and unpolarized)
when the energy transfer is in the region of resonance between magnons
and longitudinal or transverse phonons. Both incoherent and coherent
scattering in single crystals and polycrystals are considered. It is
shown that the cross sections for incoherent scattering by single

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L 14140-66

ACC NR: AP6000864

4
crystals and coherent scattering by polycrystals have extrema when the energy transfer falls in the region of each of the resonances. In coherent scattering by single crystals there should be observed in this region two peaks each for absorption and emission of a quasi-particle, respectively, regardless of the relation between the cross sections of magnetic and nuclear resonances. The intensity of the peaks differs by some interference term, the magnitude and sign of which depend on the observation condition. The results are based on the assumption that each unit cell contains only one atom and that the phonon spectrum is isotropic, the latter true for most ferrites. It is concluded that experimental study of neutron scattering in the region of ferroacoustic resonance would afford added means of determining such characteristics of ferromagnets as the exchange interaction constant and the dependence of the magnetostriction constant on the frequency. Authors thank L. E. Gurevich for suggesting the topic and interest in the work, and O. M. Drabkin, O. V. Konstantinov and S. V. Maleyev for numerous valuable hints. Orig. art. has: 3 figures, 30 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 08Mar65/ ORIG REF: 009/ ORI REF: 010

Card

FW 1/8/
2/2

KLOCHIKHIN, A.A.; KORENBLIT, I. Ya.

Characteristics of neutron scattering by ferromagnets in the
region of ferroacoustic resonance. Fiz. tver. tela 7 no. 12:
3617-3626 D '65 (MIRA 1967)

1. Fiziko-tekhnicheskiy institut imeni Lofe AN SSSR, Leningrad.

L 41741-66 EWT (1)/T IJP(c)

ACC NR: AF6020216

SOURCE CODE: UR/0056/66/050/006/1603/1610

AUTHOR: Ipatova, I. P.; Klochikhin, A. A.

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences SSSR (Fiziko-
tekhnicheskiy institut Akademii nauk SSSR)

TITLE: Temperature dependence of the line width for absorption by local oscillations of H⁺ and D⁺ ion in alkali halide crystals

SOURCE: Zh eksper i teor fiz, v. 50, no. 6, 1966, 1603-1610

TOPIC TAGS: ir absorption, line width, alkali halide, hydrogen ion, deuterium, negative ion, impurity scattering, temperature dependence

ABSTRACT: The authors analyze infrared absorption by local oscillations of the H⁺ and D⁺ ions in alkali-halide crystals and show that the scattering of the vibrations of the host lattice by the impurity atom makes the decisive contribution to the width of the local levels of H⁺ and D⁺ ions in the alkali-halide crystals. Coordinate representation is used to derive expressions for the absorption coefficients in the anharmonic approximation, the polarization operator connected with the presence of anharmonic terms, and the temperature dependence of the line widths of the ions. The theory developed confirms quantitatively the experimentally observed facts that at high temperature the ratio of the relative line widths of hydrogen and deuterium exceeds unity for the isotopic defect considered in the nearest-neighbor approximation. At low temperatures the scattering of the host lattice vibrations by the im-

Cord. 1/2

ACC NR: AP6036968

(A, N)

SOURCE CODE: UR/0181/66/008/011/3260/3268

AUTHOR: Gurevich, L. E.; Ipatova, I. P.; Kloochnik, A. A.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tekhnicheskii institut AN SSSR)

TITLE: Raman scattering of light in cubic ionic crystals with impurities

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3260-3268

TOPIC TAGS: Raman scattering, ionic crystal

ABSTRACT: The article analyzes Raman scattering of light with the emission or absorption of one phonon in NaCl-type crystals in the presence of defects giving rise to a Coulomb potential. The scattering cross section is determined by the electron polarizability, different from zero within the radius of action of the Coulomb potential, and by the spectral density of lattice vibrations. Since the radius of action of the impurity is small, the vibrations of the great majority of atoms located at distances smaller than or comparable to this radius are not appreciably altered by the impurity, and the spectral density can be considered unperturbed. It is shown that in the spectrum of Raman scattering one should expect the appearance of two peaks located in the vicinity of the cutoff frequencies of optical phonons. The intensity and width of these peaks depend on the concentrations of the impurities. Orig. art. has: 38 formulas.

SUB CODE: 20/ SUBM DATE: 18Apr66/ ORIG REF: 007/ OTH REF: 006
Card 1/1

STEKHANOV, A.I.; POPOVA, Ye.A.; KLOCHIKHIN, A.A.

Infrared absorption spectra of sodium dihydrophosphate.
Opt. i spektr. 10 no.6:799-801 30:61. (MIRA 14:8)
(Spectrum, Infrared) (Sodium phosphate-Spectra)

KLOCHIKHIN, L. V.

Unusual complication following submucous resection of the nasal septum. Vest. otorin. no.1:88-89 '62. (MIRA 15:7)

1. Is Gorodskoy bol'nitsy, Ust'kamenogorsk.

(NOSE—SURGERY) (KIDNEYS—DISEASES)

KLOCHIKHIN, L. V.; IGONINA, O. I.

Goiter of the root of the tongue. Probl. endok. 1 gorn. 8 no.3:
100-101 My-Je '62. (MIRA 15:6)

1. Is Vot'-Kamenogorskoy gorodskoy bol'nitsy (glavnyy vrach
A. I. Ierasov)

(GOITER) (TONGUE-DISEASES)

ACC NR: AP6035901

(A)

SOURCE CODE: UR/0413/66/000/020/0142/0142

INVENTOR: Klochikhin, M. A.

ORG: none

TITLE: Electrodynamic vibration stand for determining the dynamic characteristics of the pneumatic tires of aircraft wheels. Class 42, No. 187370

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 142

TOPIC TAGS: aircraft tire, aircraft test, aircraft landing gear, aircraft maintenance, aircraft maintenance equipment, test stand, test method

ABSTRACT: An Author Certificate has been issued for an electrodynamic vibration stand for determining the dynamic characteristics of the pneumatic tires of aircraft wheels, which consists of a housing containing a magnetic circuit, solenoid coils (to which is connected a frequency-controlled alternating current), and a power plate connected to the housing by adjustable supports. To apply to the pneumatic tire a pneumatic force with an amplitude and frequency in the range of a third or fourth component of its natural, stable oscillations, it is equipped with a bracket for securing the test wheel. This is mounted on the power plate through spring-supported blocks which serve as a flexible support; in this way, the rigidity of the spring-supported blocks is such that the frequency range of the natural oscillations of the pneumatic tire are exerted on the downward portion of the resonance curve of

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UDC: 620.178

629.135/138

ACC NR: AP6035901

the oscillations of a mass resting on a flexible support. To change the frequency of the flexible support's resonance oscillations, on the upper point of the pneumatic tire is fastened a plate for distributing the variable loads. Orig. art. has: 1 figure. [WA-98]

SUB CODE: 01/ SUBM DATE: 27Jul64/

Card 2/2

KLOCHINA, Ye.A.

Excerpta Medica 8/4 sec 6 April 54 Internal Medicine

209. KLOTCHINA E.A. • Observations on the effect of syntomycin on typhoid patients (Russian text) KLIN. MED. (Mosk.) 1953, 31/ 6 (37-40) Graphs 2

Syntomycin is a valuable therapeutic agent in the treatment of typhoid fever, lowering the fever during the first 3-5 days and the toxic phenomena in 2-3 days. The high percentage of relapses in treated cases is due to incomplete sterilization of the patient's system as judged by the reappearance of the roseolar rash after termination of treatment and by positive blood cultures during apyrexia. For prevention of relapses the drug should be given over 10 days of normal temperature. It is recommended that hospitalization be extended until the 21st day of normal temperature of the patient.

Anigstein - Calveston (XX, 6)

Clinical Infectious Hospital, Moscow

KLOCHINA, Ye.A.

Treatment of erysipelas with streptosirt. Klin. med., Moskva 31 no.6:
81-82 June 1953. (GML 25:1)

1. Of Clinical Infectious Hospital, Moscow.

KLOCHINA, Ye.A. (Moskva)

Changes in the cardiovascular system in localized and catarrhal forms of diphtheria. Klin.med. 37 no.1:141-143 Ja '59.

(MIRA 12:3)

1. Iz infektsionnoy bol'nitsy 4-go upravleniya pri Ministerstve sdravookhraneniya SSSR (glavnyy vrach A.V. Chuchkin, nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. A.F. Bilibin).

(DIPHTHERIA, pathol.

cardiovasc. changes (Rus))

(CARDIOVASCULAR SYSTEM, pathol.

in diphtheria (Rus))

KLOCKER, V. P., and NEUGART, P. S.

"The Effect of Light Gases on the Absorption Spectra of Vapors of Aromatic Compounds," a paper submitted at the International Meeting of European Molecular Spectroscopists, Freiburg, Breisgau, West Germany.

DOLOTOVA, I.A.; KABISHCHER, S.G.; SALISHCHEVA, Ye.P.; DOLGALLO, G.N.;
MALYY, V.M.; KLOCHKO, A.I.

Adopting the flotation of iron quartzite. Gor.zhur. no.4:65-68
Ap '64. (MIRA 17:4)

1. Mekhanobrohermet (for Dolotova, Kabishcher, Salishcheva).
2. Tsentral'nyy gornobogatitel'nyy kombinat, Krivoy Rog (for Dolgallo, Malyy, Klochko).

RUDAKOV, L.M.; KLOCHKO, A.K.

Reorganisation of the sintering plant at the Kommunarsk
Metallurgical Plant. Met. 1 gornorud. prom. no.3:15-17
My-Je '64. (MIRA 17:10)

A S KICCHKO

"Development of a Device for Measuring the Degree of Coupling in Magnetrans" from Annotations of Works Completed in 1955 at the State Union Sci. Res. Inst. Min. of Radio Engineering Ind.

Soi B-3,080,964

SAPRIN, A.N.; KLOCHKO, E.V.; KRUGLYAKOVA, K.Ye.; CHIBRIKIN, V.M.; EMANUEL', N.M.

Effect of the inhibitors of radical reactions on the kinetics of the change in free radical content in the organs of mice in experimental leukemia. Dokl. AN SSSR 166 no.3:746-748 Ja '66.

(MIRA 19:1)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Emanuel'). Submitted August 27, 1965.

KLOCHKO, Grigoriy Sidorovich; DMITRIUKO, N.Z., red.; MARKOVICH,
G.L., tekhn. red.

[How to increase the profitability of the communal economy of
collective farms] Puti povysheniia tovarnosti obshchestvennogo
khoziaistva kolkhozov. Kishinev, Izd-vo "Shtiintsa" Akad. nauk
Moldavskoi SSR, 1962. 226 p. (MIRA 15:6)
(Collective farms)